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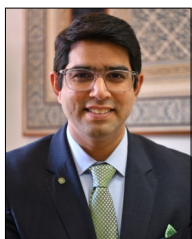


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Message from Dr Adil Haider, Dean, Medical College, AKU



DED has played a pivotal role in assuring and enhancing the quality of education and promoting innovative curricula. It has successfully contributed towards fostering educationally challenging yet supportive learning environments through technology-enhanced learning, excellence in assessment and improved leadership and management in health care education. Over the last three decades, our DED has served as an invaluable resource not just for the Faculty of Health Sciences at AKU, but also to other national and international institutions.

DED has spearheaded continuous improvement of educational programmes and systems through quality assurance and periodic evaluation, while also conducting, encouraging and disseminating research in health professions education. It has been instrumental in developing various learning resources, most notably our standardized patient bank and library of images, in addition to other support systems. Through its various programmes, courses, retreats and its role in conducting programme reviews, organizing faculty development workshops and seminars, improving national and international linkages, and contributing to pedagogical development and innovation, DED has played an integral and essential role in furthering the academic mission of AKU. My sincere congratulations to them on their continued success and I wish them all the best for their future work.

Message from Dr Muhammad Tariq, Interim Associate Dean, Education



It is my immense pleasure to share this edition of our newsletter with you. I take this opportunity to thank you for your continued support. In July 2018 DED launched the Continuous Faculty Development Workshops for participants from within and out side AKU with the aim to develop a deeper understanding of health professionals associated with teaching and learning to the diverse and challenging roles of a teacher and apply the concepts into daily practice. We hope that upcoming workshops will continue to enhance skills of faculty in diverse areas of their choice and interest.

The 13th Annual Mega Question Review is scheduled on March 30, 2019. During which we will review, correct and approve new questions (MCQs, SAQs, EMQs and OSCEs). This initiative has been phenomenal in enhancing the reliability & validity of assessment. I look forward to seeing you all there. It is your participation that brings about standardization and ensures the high quality that AKU is proud of.

My heartiest congratulations also to Dr Rukhsana Zuberi on receiving the prestigious civil award "*Tamgha-e-Imtiaz*".

Faculty in Focus



Dr Khadija Nuzhat Humayun is an Associate Professor, Department of Paediatrics and Child Health. A busy clinician who has keen interest in medical education. She completed Advanced Diploma in Health Professions Education. Serving first as undergraduate programme coordinator and director, then residency director and now holding the portfolio for Director Education. She has a number of remarkable initiatives to her credit during her tenure, including initiation of community pediatrics UG rotation, using innovative pedagogies for clinical teaching (workplace based assessment, virtual learning environment), development and implementation of online faculty evaluation system by postgraduate trainees, online resident portal, initiating multiple mini interviews for resident induction, creation of postgraduate departmental question bank, developing competency based pediatric residency curriculum and e-assessment for monthly test for residents. Implementation of structured promotion criteria in the residency programme is one of her commendable achievement. She has received multiple awards for her contribution and has been selected the Best Teacher by residents for last four years in continuity.

Education Grand Rounds (EGR)

November 28, 2018: Dr Rukhsana W Zuberi, Professor, DED and Family Medicine, AKU and Dr Riffat Hussain, Consultant Nuclear Physician, Department of Radiology, Jinnah Postgraduate Medical Center (JPMC), Karachi presented on "Social Accountability in Medical Education: Honouring a Promise to Society", which was followed by an expert panel discussion and Q&A session. Panelists for the session were Dr Mushtaq Ahmed, Vice Dean, Medical College, AKU, Dr Mohammed Elhassan Abdalla, Assistant Professor, Medical Education, University of Sharjah, United Arab Emirates (UAE), and Dr Rukhsana W Zuberi.



Continuous Faculty Development Programme in Health Professions Education (CFDP-HPE)

Workshop on Constructing Effective One Best MCQ
October 24, 2018: 19 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Rahila Ali and Amber Sultan



Workshop on Critical Appraisal of Literature
November 14, 2018: 17 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Tabassum Zehra and Sonia Haider



Workshop on Kicking out the boredom from the classroom, bringing in Technology
December 12, 2018: 11 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Azam Afzal, Sana Saeed and Qamar Riaz



Workshop on Learning in the Clinical Setting: Workplace Clinical Teaching Models
January 16, 2019: 28 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Muhammad Tariq, Sadaf Khan and Sana Saeed



Workshop on Principles of Assessment
February 20, 2019: 23 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Rukhsana W Zuberi, Naveed Yousuf and Shazia Babar



Workshop on OSCE Development
March 20, 2019: 30 participants from AKU and other medical and nursing universities.
 Facilitated by Drs Rukhsana W Zuberi, Naveed Yousuf and Shazia Babar



Courses in HPE

Introductory Short Course in HPE
January 21-25, 2019: Course Director, Dr Qamar Riaz and Coordinator, Dr Sana Saeed.



Master of Health Professions Education

- January 07-April 26 2019:** Additional Required Course on Issues in HPE Course Director, Dr Tabassum Zehra, Coordinator, Dr Amber Sultan.



- **January 07-April 26, 2019:** Advanced Level Course on Leadership in HPE Course Director, Dr Rukhsana W Zuberi, Co-Director, Drs Tabassum Zehra, Naveed Yousuf, Coordinator, Dr Rahila Ali.



Thesis Defense

- Dr Marium Iqbal from Jinnah Medical and Dental College, Karachi.
- Dr Fatima Zehra from Bahria University Medical and Dental College, Karachi.

Faculty Highlights

Our faculty has actively participated in activities both nationally and internationally as follows:

- **October 14-17, 2018:** Dr Muhammad Tariq delivered the Keynote address on “Learning in the Clinical Setting: Workplace Clinical Teaching Models” at the 2nd International Conference on Health Professions Education held at College of Medicine and Dentistry, University of Lahore. He also attended the pre conference workshop on “Effective and timely feedback to learners in the clinical rotations; essential but often missing”.
- **November 09, 2018:** Dr Naveed Yousuf was invited to chair a session during AKU-IED Conference on “Assessment and Evaluation in the Global South”.
- **November 2018:** Drs Rukhsana W Zuberi and Naveed Yousuf facilitated a workshop on “Standard Setting of OSCES” at the 1st International Medical Education Conference at Fatima Memorial College of Medicine and Dentistry & NUR International University, Lahore.
- **December 06, 2018:** Drs Rukhsana W Zuberi, Syeda Kauser Ali, Tabassum Zehra, Shazia Babar, Qamar Riaz, Amber Sultan and Rahila Ali attended a MCQ Retreat as a Resource Persons organized by CPSP, Karachi.
- **December 12, 2018:** Dr Muhammad Tariq attended SAAP VI & PPS Pre-Conference Teaching Workshop 2018 Pakistan. He was Invited as a Speaker in the Plenary lecture session on “Flipped Classroom: a blended learning instructional strategy to enhance student engagement” at College of Medicine and Dentistry, University of Lahore.
- **January 2019:** Drs Naveed Yousuf and Shehzad Jeeva (AKU-EB) attended 2 days meeting organized by the International Association of Educational Assessment, UK



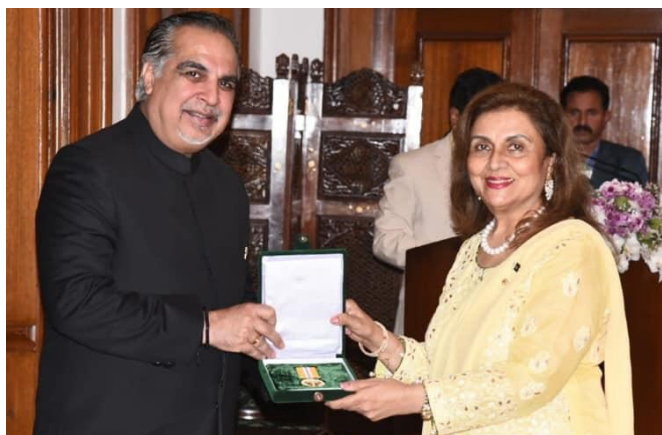
- **January 15, 2019:** Dr Muhammad Tariq delivered talk on “Work Place-based Assessment in the Postgraduate Chemical Pathology training Programme” organized by Department of Pathology and Laboratory Medicine, AKU at CIME, AKU.
- **January 17, 2019:** Drs Rukhsana W Zuberi, Azam Afzal, Amber Sultan, Qamar Riaz, Rahila Ali, Sana Saeed and Shazia Babar attended a MCQ Retreat as Resource Persons organized by College of Physicians and Surgeons Pakistan, Karachi.
- **February 13, 2019:** Dr Muhammad Tariq co-facilitated a workshop along with Dr Rizwan Khan, Associate Dean, PGME on “Competency Based Curriculum” organized by Department of PGME held at Executive Dinning Halls, AKU.
- **February 14, 2019:** Dr Naveed Yousuf was invited by UNICEF to facilitate a workshop on “Student Assessment” for 125 District Educational Officers in Balochistan.



- **February 14-15, 2019:** Dr Rukhsana W Zuberi was invited as a Chief Guest at the Symposium on Leadership and Management in Health Professions Education 2019, University of Lahore.

Awards and Recognitions

- The Pakistan Civil Award “*Tamgha-e-Imtiaz*” was presented to Dr Rukhsana W Zuberi by the Sindh Governor Imran Ismail in a ceremony at the Governor’s House, Karachi. Dr Zuberi was amongst 127 Pakistani and foreign nationals to receive the award on March 23, 2019. Dr Zuberi has played a key role in raising academic standards and enhancing teaching practices in education.



- Dr Sana Saeed received Best Undergraduate Teacher Award 2018 at Paediatrics Appreciation Evening.
- Dr Sana Saeed received 2nd Best Poster Presentation Award at DED 2nd Educational Research Day held on October 11, 2018.

- Dr Amber Sultan received 3rd Best Poster Presentation Award at DED 2nd Educational Research Day held on October 11, 2018.
- Seed Money Grant was awarded to Principal Investigator (PI), Dr Qamar Riaz, Co-PI, Drs Sana Saeed, Muhammad Tariq and Sadaf Khan. for "Empathy among Physicians; to be or not to be"

Upcoming National and International Medical Education Conferences

- **April 12-14, 2019:** 10th Asian Medical Education Association (AMEA) Symposium at Kuala Lumpur, Malaysia.
- **August 24-28, 2019:** AMEE Conference at Austria Centre, Vienna.
- **October 19-22, 2019:** International Conference in Medical Education (ICME), Islamabad

Upcoming Events

Annual Mega Question Review

- **March 30, 2019:** 13th Annual Mega Question Review to Enhance the Reliability and Validity of Assessment at FHS-AKU, Karachi at Sports and Rehabilitation Centre, AKU

ISC-HPE

- **April 08-12, 2019:** Course Director, Dr Qamar Riaz, Coordinator, Dr Sana Saeed.

Faculty Development Workshops

- **April 17, 2019:** "Reflective Practice" facilitated by Drs Sonia Ijaz Haider and Hadia Pasha .

MHPE

- **July 08-October 25, 2019:** Advanced Level Course on Assessment Course Director, Prof Rukhsana W Zuberi and Coordinator, Dr Azam Afzal

Publications

- Syed Muhammad Nazim, Jamsheer J Talati, Sheilla Pinjani, Syed Raziuddin Biyabani, Muhammad Hammad Ather, John J. Norcini (2019). Assessing clinical reasoning skills using Script Concordance Test (SCT) and extended matching questions (EMQs): A pilot for urology trainees.
- Amber Shamim Sultan: Bedside teaching: An indispensable tool for enhancing the clinical skills of undergraduate medical students. JPMA. ,Feb 2019.

Use of Concept Maps in Learning and Assessment

by Dr Rahila Ali

Knowledge organization is pivotal in clarifying concepts, critical thinking and clinical reasoning. Concept map is "a schematic device for representing a set of concept meanings in a framework of propositions" Concept mapping is an instructional strategy for individual and group learning that involves integration of knowledge and creation of meaning by relating concepts.

How to construct concept maps:

Step 1: Identify a main topic.

Step 2: Identify key concepts/ themes/ ideas related to the main topic. These form the nodes of the map.

Step 3: Establish an order of the concepts. Place general concepts at the top and specific and less general concepts below. These form the subordinate concepts.

Step 4: Determine relationship between concepts and link key concepts with linking words or proposition. Linking

words show how the information is related. The links are represented by labelled lines. Links may be non-directional, (hierarchical) unidirectional or bidirectional (synergistic or synergistic) links. The arrow directions indicate the relationship of the proposition and the way the map is read.

Step 5: Cross links can also be developed between two or more set of concepts.

How to use concept maps:

concept maps can be used both in learning and assessment.

- Students can develop Concept map from scratch. Students can create longitudinal maps of pathophysiological processes, during course and build on them as course progresses.
- Instructor can provide students with partially developed Concept Map where students will fill nodes or will provide link words. In mixed format type of Concept Map few nodes and linking words are provided and students will provide remaining nodes and linking words.

Some tools to develop concept maps:

Concept maps can be constructed using computer program or chalk board. A number of software tools are available for creating concept.

Some well-known ones are Inspiration (www.inspiration.com), CMap (<http://cmap.ihmc.us>) and Prezi (<https://prezi.com>)